

Wisdom from the Field: Ins-and-Outs of Developing a Top Recycling Program

May 10, 2011

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Report Documentation Page

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MODERN (MOBILE) MILITARY

Batteries power thousands of devices for soldier activity and across installations.

- ... Field communication equip. (radios, laptops)
- ... Night vision goggles & flashlights
- ... GPS units
- ... Secondary power units



3 Day mission in Afghanistan – 20-35 lbs of up to 7 different types of batteries*.

Although the individual devices may vary, each military branch uses a significant amount of batteries in their every day operations!





BATTERY DISPOSAL



Battery disposal for the military can be . . .

... Expensive

... Complicated

... "Unclear" – Final Disposition





NAVFAC SW

BATTERIES everywhere!

Cost of \$1.50/lb for disposal as UW.

Can we be "GREENER"?!?!?



One of ten facilities engineering commands (FECs) in NAVFAC (over 3,400 Federal employees) & responsible for public works, planning, engineering/design, construction, real estate, environmental services, and acquisition / disposal of facilities and real estate in a six state area.





STEP 1 – ESTABLISH GOAL AND APPROACH

GOAL:

Implement a fiscally responsible and environmentally sound recycling program to divert rechargeable batteries from the Universal Waste stream for the entire CNRSW footprint.

APPROACH:

Domino Theory . . . The FECs are uniquely positioned to promote the Navy's participation region-wide.







STEP 2 - SERVICE VENDOR

What are others doing - why "reinvent the wheel"!?!?

More than a Vendor, find a PARTNER!





call2recycle.org

Recharging the planet. Recycling your batteries.

The Pentagon supports green business practices and sustainability through its partnership with Call2Recycler, a free and easy battery and cell phone recycling program. Drop off your used rechargeable batteries and old cell phones at any one of these locations:





Room 5E320 Pentagon Safety Office Room 5E330A Pentagon Environmental Office





CALL2RECYCLE®

Non profit organization of manufacturers - no competitive sourcing issues.

Program is simple – collect and recycle your rechargeable batteries at no cost . . . NO SHIPPING OR PROCESSING COSTS in CONUS.





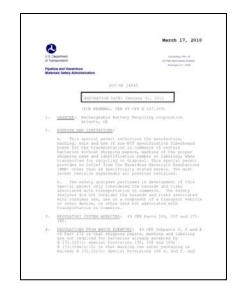


STEP 3: DUE DILIGENCE

Certifications

Audits / Insurance

Legal Counsel







COMMONMENTS OF PRINSPERSION OF

Permit No.	PAD087561015	
Date Issued	July 14, 2006	
Date Expired	July 14, 2016	

	_ in the County of L	eclamation Company, Inc.		
is granted to (applicant) (address)	One INMETCO Drive			
	Ellwood City, PA 1611			
This permit is applicable to t		PRESENTATIONS.		
International Metals 5	leclamation Company, Inc.	and described a		
	Latitude: 40° 51° 25" Longitude: 80° 16' 37"	Data Car		
of Environmental Protectio Department of Environmen rules and regulations adopt the conditions of this permit	diffication, amendment and sind an and is further subject to retail Protection for any violationed thereunder, for failure to ct and the provisions set forth if, or for causing any condition	vocation or suspension by n of the applicable laws or comply in whole or in part w n the application no. PARRETS		
safety or welfare.				







STEP 4 - THE "BUY IN"



Within 2 hours NAVFAC footprint in Metro San Diego was on board!

All hands on Deck Meeting – What a BRILLIANT Idea!







STEP 5 – IMPLEMENTATION & TRAINING





Where do you collect?

Haz Waste Facility/90 Day Site or TSDF or individual Units/Offices . . . All NAVFAC SW installations are handling through HW or TSDF.

How do you collect?

"Milk Runs" vs. Units Drop Off

How are you shipping?

Collection Boxes – NAS Fallon, NV

Bulk Shipping – NB San Diego, CA





STEP 5 – IMPLEMENTATION & TRAINING

Vendor Capabilities
Safety & Comp. Manager
Handouts
Reports

Internal Capabilities
SOP's
Tech Training



For proper handling, seal batteries in bags or tape the battery terminals, and place in appropriate container (for example, the Call2Recycle collection box) for recycling.





STEP 6 - MAINTENANCE

Track activity.

Constantly evolving.



Recharging the planet. Recycling your batteries."

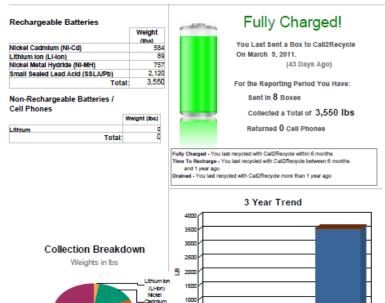
Site Summary Report Naval Base Coronado-North Island

Call2Recycle ID: 138599

Store ID: EPA ID CA7170080018 HW Facility Read Rd B-1606 San Diego, CA 92135

Run Date:4/20/2011

Batteries / Cell Phones Collected From 1/1/2011 To 3/31/2011



(NHCd)

Nickel Metal

Hydride





Small Sealed

Lead Acid

(SSLA/Pb)

Call2Recycle Account Manager: Sean Burchill sburohill@oall2reoyole.org

Rechargeable

Non-Rechargeable /

Cell Phone



CHALLENGES

Communicating the message – how do you effectively gain support for the program (the "change" factor)?

On-going training for multiple POC's throughout installation.

Every battery not created equal - only rechargeable batteries.







SUMMARY



Battery RECYCLING for NAVFAC SW is . . .

... **FREE** — Estimated savings for METRO SAN DIEGO is \$87K this FY.

... **SIMPLE** – Easily integrated into existing collection efforts.

... **TRANSPARENT** — Full compliance with legal requirements in the State of California & improves sustainability posture for CNRSW.





QUESTIONS

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